STORM WATER ANNUAL REPORT

Reporting Period July 1, 1996 through June 30, 1997

An annual report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. **Retain a copy of the completed Annual Report for your records.**

If any information contained in Items A, B, and C below differs from the information provided in your Notice of Intent (NOI), circle or highlight the information that differs from your NOI.

If you have any questions, please contact your Regional Board Storm Water Program Contact. The address of the Regional Board (where the Annual Report must be filed) along with the name and telephone number of the contact is indicated on page 13 of this Annual Report. To find your Regional Board information, match the first digit of your WDID number with the corresponding number that appears in parenthesis on the second line of each Regional Board office listed on page 13.

GENERAL INFORMATION:

A. Facility WDID No: _____

B. Owner/Operator:

Name: _____ Contact Person: _____

Mailing Address: _____ Title: _____

City: _____ State: _____ Zip: _____ Phone: (__) _____

C. Facility/Site Information:

Facility Name: _____ Mailing Address: _____

City: _____ State: _____ Zip: _____ Phone: (__) _____

Contact Person: _____

Standard Industrial Classification (SIC) Code(s): _____

State of California
STATE WATER RESOURCES CONTROL BOARD

1996-1997

ANNUAL REPORT

FOR
STORM WATER DISCHARGES ASSOCIATED
WITH INDUSTRIAL ACTIVITIES

SPECIFIC INFORMATION

STORM WATER POLLUTION PREVENTION PLAN

1. Have you developed (and updated) a Storm Water Pollution Prevention Plan (SWPPP), as required in Section A of the General Permit?

____Yes ____No If No, attach an explanation and time schedule for SWPPP development.

2. Have you implemented all elements of your SWPPP?

____Yes ____No If No, attach an explanation and time schedule for SWPPP implementation.

NON-STORM WATER DISCHARGES

3. Section A.6 of the General Permit requires that non-storm water discharges be eliminated or permitted.

a. Does your facility have any non-storm water discharges (see page 7 for examples)?

____No Go to Question 4.

____Yes Please list: _____

_____

b. Have any of the non-storm water discharges been permitted by a State or local agency?

____No ____Yes If yes, on a separate sheet, identify the non-storm water discharge, agency that permitted the non-storm water discharge, and the permit number.

c. Attach a description for each non-storm water discharges listed in 3.a that has <u>not</u> been permitted. At a minimum, this description should answer the following:

- What is the source of the non-storm water discharge?
- What are the characteristics of the non-storm water discharge (odor, color, frequency, flow rate, potential pollutants, etc.)?
- What areas of your facility does the non-storm water discharge contact?
- Has the non-storm water discharge been previously reported to the Regional Board?
- Why hasn't the non-storm water discharge been eliminated?
- When is the non-storm water discharge scheduled to be eliminated?

d. Does your SWPPP include Best Management Practices (BMPs) that address the non-storm water discharges described in 3.c ?

____Yes ____No If No, revise your SWPPP and attach a brief description of the revisions.

MONITORING AND REPORTING PLAN

4. Section B.5.a of the General Permit requires you to conduct an annual site inspection. Did you conduct an annual site inspection?

____Yes If Yes, use FORM 1 (page 9) to report findings or provide the following for each area inspected:

- Date and time of inspection.
- Name and title of inspector.
- Summary of inspection findings. Evaluate if all sources of storm water pollutants have been identified in the SWPPP; if the BMPs identified in the SWPPP to address these sources of pollutants are in place and effective; and whether additional BMPs are needed. Discuss corrective actions that are necessary.

____No If No, attach an explanation.

5. Section B.5.b of the General Permit requires you to conduct visual observations of all discharge locations at least twice during the dry season (May through September). How many dry season observations did you conduct?

____None, attach an explanation why no dry season visual observations were conducted.

____One, attach an explanation why only one dry season visual observation was conducted.

____Two

____More than two

For each dry season visual observation conducted, use FORM 2 (page 10) to report observations or provide the following for each discharge location:

- Date and time of observation.
- Name and title of inspector.
- Observations of non-storm water discharge or indications of prior non-storm water discharge. Describe the discharge characteristics, i.e. odor, color, etc., and possible source of discharge, and corrective action taken. If no action has been taken, discuss what and when actions will be taken to eliminate the non-storm water discharge. Report all non-storm water discharges in Item 3 above.

6. Section B.5.c of the General Permit requires you to conduct visual observations of all discharge locations for at least one storm per month during the wet season (October through April). How many months during the wet season did you conduct visual observations?_____. If you did not conduct visual observations in each month of the wet season, attach an explanation.

For each wet season visual observation, use FORM 3 (page 11) to report observations or provide the following information for each discharge location:

- Date and time of observation.
- Name and title of inspector.
- Storm water discharge characteristics observed. For example, was the discharge discolored, very turbid; did it have an odor, evidence of floating or suspended material; did it have a sheen; or any other unusual characteristics? If any were observed, discuss the corrective actions taken or to be taken.

SAMPLING AND ANALYSIS

7. **a.** Is your facility part of a Group Monitoring Plan? (Only facilities that have received prior approval are part of a group monitoring plan.)

____Yes ____No

If No, go to Question 8.
If Yes, answer the following questions:

b. What is the Group Monitoring Plan's name? _____

c. Is your facility designated to collect storm water samples?

____Yes ____No

If Yes, go to Question 9.
If No, go to Question 10.

8. **a.** Is your facility exempt from sample collection (Section B.9 of the General Permit)? (Only facilities that have received prior Self-certification approval are exempt from sampling. Facilities participating in a Group Monitoring Plan cannot be self-certified)

____Yes ____No

If No, go to Question 9.

b. If Yes, which of the following apply (check one):

____ Submitted Self Certification to Regional Board. Date Submitted:_____
____ Received certification of local agency.
____ Received exemption by the Regional Board.

Attach, as appropriate, the first page of either the submitted self certification, the local agency certification letter, or the Regional Board exemption letter.

9. Section B.5.d of the General Permit requires that storm water samples from at least two storms be collected and analyzed.

a. How many storms did you sample?_____

If you did not sample any storms, or only sampled one storm, attach an explanation.

b. How many storm water discharge points are located at your facility?_____

Did you sample from every discharge point?

_____Yes _____No

If you did not sample from every discharge point, attach an explanation why you did not or attach a justification as to why certain discharge points are substantially identical.

SAMPLING AND ANALYSIS (cont'd)

c. For each storm sampled, provide the following information:

	Number of Samples Taken	Number of Samples Analyzed and Reported	Constituents Tested and Reported
First Storm			
Second Storm			
Additional Storms			

If all samples from the first and/or second storms were not analyzed, provide an explanation.

d. Provide a summary of your sampling and analysis results. You may use Form 4 (page 12) to report your findings. The summary should include the date and time of sample, constituents tested, who did the testing, the testing results, test method used, and test detection limit. Copies of the analytical results from the laboratory should also be attached. Include a completed Form 4, or equivalent, for each sample analyzed.

For facilities subject to Federal Storm Water Effluent Limitation Guidelines, separately report the Federal Guidelines and the corresponding monitoring results.

If past years analytical results are available, on a separate sheet, compare and evaluate the analytical results from the 1996-97 testing period with the analytical results from past years (are the pollutant concentrations increasing or decreasing and why; if a reason is known?).

e. For each storm sampled, provide the following information:

	Was sample taken during the first 30 minutes?	Were there 3 days of dry weather before the storm?
First Storm		
Second Storm		
Additional Storms		

If you responded no to either of the above questions for the first or second storm, attach an explanation.

STORM WATER POLLUTION PREVENTION PLAN EVALUATION

10. Based upon the comparison and analysis of analytical data, visual observations, etc. from the time you submitted your Notice of Intent to comply with the General Permit; is your Storm Water Pollution Prevention Plan effective in reducing pollutants in your facility's storm water discharge? Discuss specific areas or elements of the SWPPP that are not effective or need improvement. Provide a brief description of alternatives or proposed revisions to the SWPPP.

11. Provide a written evaluation of your monitoring program in detecting pollutants in storm water discharge. Discuss areas of the monitoring program that are not effective or need improvement. Provide a brief description of proposed revisions to the monitoring program.

12. The General Industrial Activities Storm Water Permit requires that:

- a Storm Water Pollution Prevention Plan be developed and implemented (Questions 1 and 2)
- non-storm water discharges be eliminated, reported to the Regional Board, or permitted (Question 3)
- an annual site inspection be conducted to determine the effectiveness of BMPs in reducing and/or eliminating sources of storm water pollution (Question 4)
- two dry weather visual observations be conducted (Question 5)
- wet weather visual observations be made once each month during the wet season (Question 6)
- unless specifically exempted, samples be collected and analyzed from at least two storms (Question 9)

If you have not completed <u>all</u> of the above requirements, please make sure you have attached an explanation for each requirement you have not completed.

Do you certify, based on your annual site inspection that, your facility is in compliance with the requirements of the General Industrial Activities Storm Water Permit?

_____Yes _____ No

13. Attach an updated site map showing the areas of industrial activity; the areas where visual inspections were done; all storm water discharge locations; and all storm water sampling locations.

CERTIFICATION

I am duly authorized to sign reports required by the GENERAL INDUSTRIAL ACTIVITIES STORM WATER PERMIT (see Provisions C.9) and I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Printed Name:_____

Signature:_____ Date:_____

Title:_____

NON-STORM WATER DISCHARGES

The list below contains examples of some common non-storm water discharges:

Boiler blow-down	Construction rinse down	Car washing
Floor washing	Non-contact cooling water	Tank drains
Boiler drains	Cooling tower back wash	Filter drains
Pavement washing	Evaporative cooling water	Window and building washing
Vehicle washing	Vehicle steam cleaning	Hydrostatic pressure vessel testing
Dust control water	Truck & trailer washing	Aggregate pile cooling water
Ground water infiltration	Landscape/lawn irrigation	Fire auxiliary (building sprinklers)
Foundation drainage	Air compressor condensate	Water line cleaning
Collected rainwater	Air conditioning condensate	Fire fighting (emergency only)
Well test pumping	Refrigeration unit condensate	Ground water discharges
Fire hydrant testing	Well water discharges	

The General Permit requires reporting of all unpermitted non-storm water discharges (discharges) to the appropriate Regional Board. You should report these discharges as an attachment to the Annual Report (see item 3.c). Regional Board staff may review your report and make modifications as appropriate. When preparing your schedule for the elimination of each discharge, please remember that the General Permit requires the discharge to be eliminated within three years of your NOI submittal date.

The General Permit was not intended to prohibit discharges that are not associated with industrial activity if the conditions provided by the General Permit Fact Sheet are met. Examples of discharges that may meet these conditions are landscape/lawn irrigation, air conditioning condensate, and fire hydrant testing. If the discharge meets the Fact Sheet conditions, the report should also explain briefly why the discharge meets the Fact Sheet conditions. A permitting strategy for such discharges is being developed by the Regional Boards. Regional Board staff will review your report and notify you of any permitting requirements or discharge prohibitions as they are developed.

DESCRIPTION OF CONSTITUENTS TO BE MONITORED

The General Industrial Permit requires you to analyze storm water samples for at least four constituents. These are pH, Total Suspended Solids (TSS), Specific Conductance (SC),and Total Organic Carbon (TOC). Oil and Grease (O&G) may be substituted for TOC. In addition, you must monitor for any other pollutants which you believe to be present in your storm water discharge as a result of industrial activity. There are no numeric limitations for the constituents you test for.

The four constituents which the Permit requires to be tested are considered *indicators*. In other words they are nonspecific tests that will provide enough information to indicate whether or not pollutants are present in your storm water discharge. The following briefly explains what these parameters mean:

pH is numeric measure of the hydrogen-ion concentration. The neutral, or acceptable range can be defined as 6.5 to 8.5. At values less than 6.5, the water is considered acidic; above 8.5 it is considered alkaline or basic. An example of an acidic substance is vinegar and a alkaline or basic substance is liquid antacid. Pure rain fall tends to have a pH of less than 7. There may be sources of materials or industrial activities which could increase or decrease the pH of your storm water discharge. If the pH levels of your storm water discharge are high or low, you should conduct a thorough evaluation of all sources at your site.

Total Suspended Solids (TSS) is a measure of the undissolved solids that are present in your storm water discharge. Sources of TSS include sediment from erosion of exposed land, and dirt from impervious (i.e. paved) areas. Sediment by itself can be very toxic to aquatic life because it covers feeding and breeding grounds, and can smother organisms living on the bottom of a water body. Toxic chemicals and other pollutants also adhere to sediment particles. This provides a medium by which toxic or other pollutants end up in our water ways and ultimately in human and aquatic life. TSS levels vary in runoff from undisturbed land. It has been shown that TSS levels increase significantly due to land development.

Specific Conductance (SC) is a numerical expression of the ability of the water to carry an electric current. SC can be used to assess the degree of mineralization, or estimate the total dissolved solids concentration of a water sample. Because of air pollution, most rain water has a SC above zero. A high SC could affect the usability of waters for drinking and other commercial or industrial use.

Total Organic Carbon (TOC) is a measure of the total organic matter present in water. (All organic matter contains carbon) This test is sensitive and able to detect small concentrations of organic matter. Organic matter is naturally occurring in animals, plants, and man. Organic matter may also be man made (so called synthetic organics). Synthetic organics include pesticides, fuels, solvents, and paints. Natural organic matter utilizes the oxygen in a receiving water to biodegrade. Too much organic matter could place a significant oxygen demand on the water, and possibly impact its quality. Synthetic organics either do not biodegrade or biodegrade very slowly. Synthetic organics are a source of toxic chemicals that can have adverse affects at very low concentrations. Some of these chemicals bioaccumulate in aquatic life. If your levels of TOC are high, you should evaluate all sources of natural or synthetic organics you may use at your site.

Oil and Grease (O&G) is a measure of the amount of oil and grease present in your storm water discharge. At very low concentrations, O&G can cause a sheen (that floating "rainbow") on the surface of water (1 qt. of oil can pollute 250,000 gallons of water). O&G can adversely affect aquatic life and create unsightly floating material and film on water, thus making it undrinkable. Sources of O&G include maintenance shops, vehicles, machines and roadways.

If you have any questions regarding whether or not your constituent concentrations are too high, please contact your local Regional Board office.

State of California
STATE WATER RESOURCES CONTROL BOARD

ANNUAL REPORT
FOR
STORM WATER DISCHARGES ASSOCIATED
WITH INDUSTRIAL ACTIVITIES

FORM 1 - ANNUAL SITE INSPECTION FORM

Inspection Date: _____

INSPECTED AREAS List all areas where pollutants may come in contact with storm water (i.e. exposed loading/unloading, access, storage, manufacturing or process activities occur, maintenance activities, etc.).	For each area, are the BMPs listed in the SWPPP in place?		Are additional BMPs needed to control storm water pollution?		DESCRIBE DEFICIENCIES AND CORRECTIVE ACTIONS
	YES	NO	YES	NO	

Inspector's Name:_____ Title:_____

Signature:_____ Date:_____

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STATE WATER RESOURCES CONTROL BOARD

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STORM WATER DISCHARGES ASSOCIATED
WITH INDUSTRIAL ACTIVITIES

FORM 2 - RECORD OF DRY SEASON VISUAL OBSERVATIONS

- Dry season visual observations are used to detect the presence of non-storm water discharges.
- This form should be filled out for at least two dry season visual observations between May 1 and September 30 of each year.
- Non-storm water discharges that have not been eliminated must be reported in Item 3 (page 2) of the Annual Report.

DISCHARGE LOCATION	DATE/ TIME	DISCHARGE OBSERVED? **YES / NO**	DESCRIBE OBSERVATIONS	DESCRIBE SOURCE OF DISCHARGE
		INDICATIONS OF PRIOR DISCHARGE? **YES / NO**		

Comments/Corrective Actions Taken for above:_____

_____

_____

DISCHARGE LOCATION	DATE/ TIME	DISCHARGE OBSERVED? **YES / NO**	DESCRIBE OBSERVATIONS	DESCRIBE SOURCE OF DISCHARGE
		INDICATIONS OF PRIOR DISCHARGE? **YES / NO**		

Comments/Corrective Actions Taken for above:_____

_____

_____

Inspector's Name:_____ Title:_____

Signature:_____ Date:_____

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STATE WATER RESOURCES CONTROL BOARD

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STORM WATER DISCHARGES ASSOCIATED
WITH INDUSTRIAL ACTIVITIES

FORM 3 - RECORD OF WET SEASON VISUAL OBSERVATIONS

- Wet season observations are required to be done during the first hour of discharge for at least one storm per month between October 1 and April 30.

Month: _____ Approximate time storm water discharge began: _____

DISCHARGE LOCATION	DATE/ TIME	DISCHARGE OBSERVATIONS (CIRCLE ALL THAT APPLY)		DESCRIBE DISCHARGE	DESCRIBE SOURCE OF DISCHARGE
		Floating Materials?	Suspended materials?		
		Odors?	Oil/grease sheen?		
		Discolorations?	Cloudiness?		

Comments/Corrective Actions Taken for above:_____
_____
_____

DISCHARGE LOCATION	DATE/ TIME	DISCHARGE OBSERVATIONS (CIRCLE ALL THAT APPLY)		DESCRIBE DISCHARGE	DESCRIBE SOURCE OF DISCHARGE
		Floating Materials?	Suspended materials?		
		Odors?	Oil/grease sheen?		
		Discolorations?	Cloudiness?		

Comments/Corrective Actions Taken for above:_____
_____
_____

Inspector's Name:_____ Title:_____

Signature:_____ Date:_____

State of California
STATE WATER RESOURCES CONTROL BOARD

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FOR
STORM WATER DISCHARGES ASSOCIATED
WITH INDUSTRIAL ACTIVITY

FORM 4 - SAMPLING RESULTS

DISCHARGE POINT:_____

DATE AND TIME OF SAMPLE:_____ TIME DISCHARGE STARTED:_____

CONSTITUENT TESTED	TESTED BY: LAB/SELF(1)	RESULTS (2)(3)	TEST METHOD USED(4)	DETECTION LIMIT
pH		(pH UNITS)		
TOTAL SUSPENDED SOLIDS		mg/l		
SPECIFIC CONDUCTANCE		umho/cm		
OIL & GREASE		mg/l		
TOTAL ORGANIC CARBON		mg/l		
ADDITIONAL POLLUTANTS:				
FLOW (5)		gallons		
SIZE OF STORM (IF AVAILABLE)		inches		

(1) If testing was done by a certified laboratory, indicate "lab"; otherwise, indicate "self".
(2) If analytical results indicate a value less then the detection limit (or non detect), show the value as less than the numerical value of the detection limit.
(3) If you did not analyze for a particular constituent, do not report "0". Instead leave the appropriate box blank.
(4) Indicate the test method used to determine result. In cases where analysis was conducted in the field, using portable analyzers (portable pH meters, portable EC meters, etc.), indicate with an "A"
(5) Dischargers subject to the Santa Clara County General Permit are required to provide estimates or calculations of the volume of storm water discharged from each point. Describe, on a separate sheet, how the flow measurement was calculated.

Name of person collecting sample:_____ Title:_____

If analysis conducted by certified laboratory, enter name of laboratory:_____

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FOR
STORM WATER DISCHARGES ASSOCIATED
WITH INDUSTRIAL ACTIVITY

STATE AND REGIONAL BOARDS STORM WATER CONTACTS

State Water Resources Control Board
Division of Water Quality
Attention: Storm Water Permit Unit
P.O. Box 1977
Sacramento, CA 95812-1977
(916) 657-0919 FAX: (916) 657-1011
Storm Water Program Contact: Bruce Fujimoto

Regional Water Quality Control Board
(1) North Coast Region
5550 Skyline Boulevard, Suite A
Santa Rosa, CA 94503
(707) 576-2220 FAX: (707) 523-0135
Storm Water Program Contact: Nathan Quarles

Regional Water Quality Control Board
(2) San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, CA 94612
(510) 286-1255 FAX: (510) 286-1380
Storm Water Program Contact: Tom Mumley

Regional Water Quality Control Board
(3) Central Coast Region
81 Higuera Street, Suite 200
San Luis Obispo, CA 93401-5427
(805) 549-3147 FAX: (805) 543-0397
Storm Water Program Contact: Matt Fabry

Regional Water Quality Control Board
(4) Los Angeles Region
101 Centre Plaza Drive
Monterey Park, CA 91754-2156
(213) 266-7500 FAX: (213) 266-7600
Storm Water Program Contact: Xavier Swamikannu

Regional Water Quality Control Board
(5S) Central Valley Region
3443 Routier Road
Sacramento, CA 95827-3098
(916) 255-3000 FAX: (916) 255-3015
Storm Water Program Contact: Pamela Barksdale

Regional Water Quality Control Board
(5F) Central Valley Region - Fresno Office
3614 East Ashlan Avenue
Fresno, CA 93726
(209) 445-5116 FAX: (209) 445-5910
Storm Water Program Contact: Darrel Evensen

Regional Water Quality Control Board
(5R) Central Valley Region - Redding Office
415 Knollcrest Drive
Redding, CA 96002
(916) 224-4845 FAX: (916) 224-4857
Storm Water Program Contact: Carole Crowe

Regional Water Quality Control Board
(6SLT) Lahontan Region
2501 Lake Tahoe Boulevard
South Lake Tahoe, CA 96150
(916) 542-5400 FAX: (916) 544-2271
Storm Water Program Contact: John Short

Regional Water Quality Control Board
(6V) Lahontan Region - Victorville Office
15428 Civic Drive, Suite 100
Victorville, CA 92392
(760) 241-6583 FAX: (760) 241-7308
Storm Water Program Contact: Tom Rheiner

Regional Water Quality Control Board
(7) Colorado River Basin Region
73-720 Fred Waring Drive, Suite 100
Palm Desert, CA 92260
(760) 346-7491 FAX: (760) 341-6820
Storm Water Program Contact: Orlando Gonzalez

Regional Water Quality Control Board
(8) Santa Ana Region
3737 Main Street, Suite 500
Riverside, CA 92501-3339
(909) 782-4130 FAX: (909) 781-6288
Storm Water Program Contact: Pavlova Vitale

Regional Water Quality Control Board
(9) San Diego Region
9771 Clairemont Mesa Boulevard, Suite A
San Diego, CA 92124
(619) 467-2952 FAX: (619) 571-6972
Storm Water Program Contact: Gloria Fulton